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Sci - Phys
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Sci - Electron

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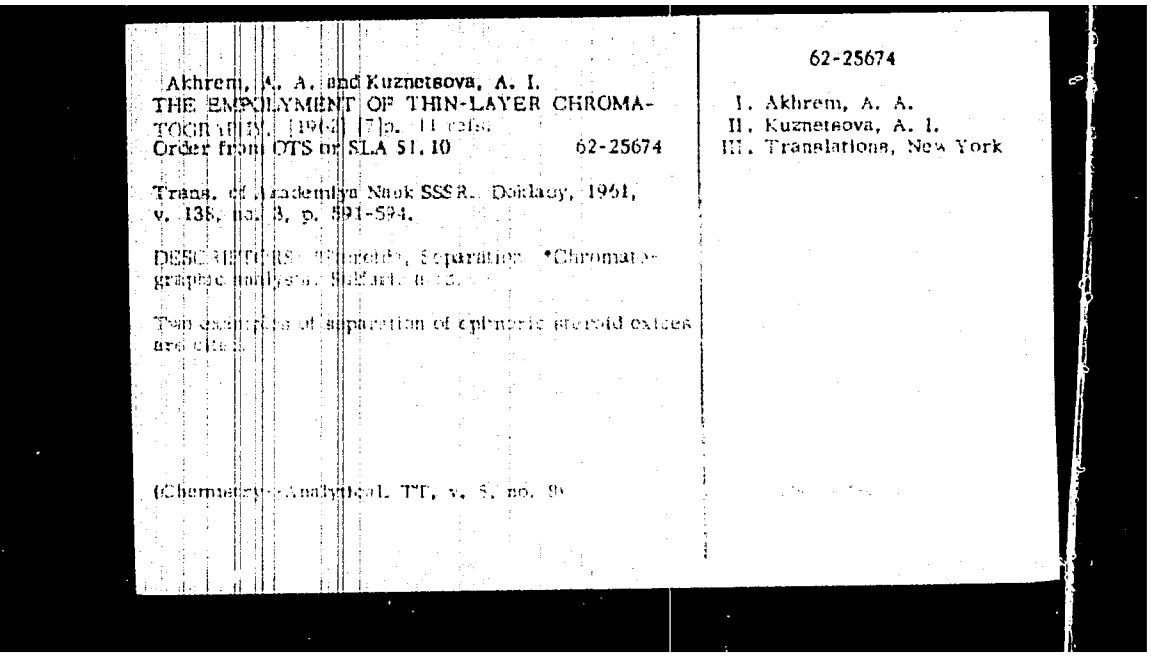

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THE EMPOLYMENT OF THIN-LAYER CHROMA-
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Order from OTS or SLA $1.10 62-25674

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
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DESCRIPTORS: Steroids, Separation, *Chromatography, Analysis, Thin Layer.

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(Chemistry-Analytical TT, v. 5, no. 9)

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FTD-TT-62-296

Sci - Chem, Phys 202,190

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Tatevskii, V. M., Spiridonov, V. P., and Akishin, P. A.
A FEATURE OF THE INTERATOMIC DISTANCES IN MOLECULES OF THE HALIDES OF VARIOUS GROUPS IN THE PERIODIC SYSTEM OF ELEMENTS. [1962] [7]p. 16 refs.
Order from OTS or SLA $1.10 63-13861

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 138, no. 3, p. 621-624.

DESCRIPTORS: *Halides, *Molecular structure, Group I elements, Group II elements, Group IV elements.

(Chemistry--Physical, TT, v. 10, no. 3)

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I. Tatevskii, V. M.
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
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Hypothalamic Regulation of the Intermediate Lobe of the Hypophysis, by A. A. Voitkevich. RUSSIAN, per. Doklady Akad. Nauk SSSR, Vol 138, No 3, 1961, pp 710-713.
NLL RTS 2964

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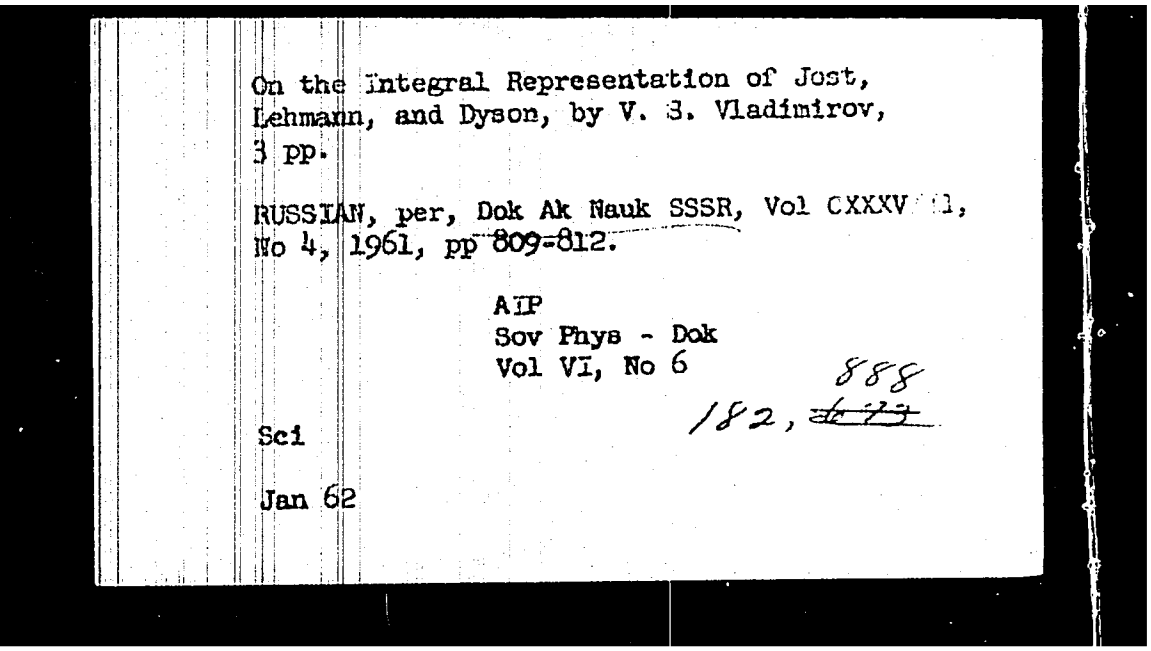

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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4, 1961, pp 820-823.

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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4, 1961, pp 824-27

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RUSSIAN, per, Dok Ak Nauk SSSR, a. Vol. CXXXVIII, No 4, 1961, pp 829, 830.

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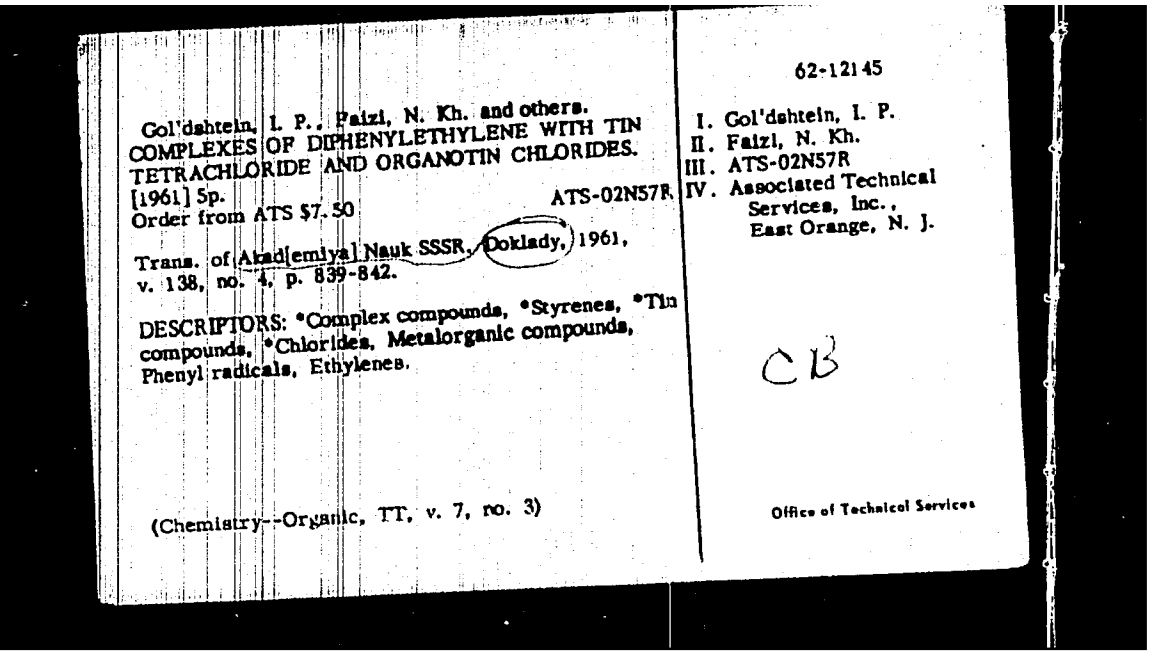

Gol'dshtein, I. P., Faizi, N. Kh. and others.
COMPLEXES OF DIPHENYLETHYLENE WITH TIN TETRACHLORIDE AND ORGANOTIN CHLORIDES.
[1961] 5p.
Order from ATS $7.50 ATS-02N57R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 138, no. 4, p. 839-842.

DESCRIPTORS: *Complex compounds, *Styrenes, *Tin compounds, *Chlorides, Metalorganic compounds, Phenyl radicals, Ethylenes.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12145

I. Gol'dshtein, I. P.
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Kozina, M. P., Lukina, M. Yu. and others.
THE HEATS OF COMBUSTION OF SOME PHENYL-CYCLOPROPANES. [1962] [5]p. 15 refs.
Order from OTS or SLA $1.10 63-15131

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 138, no. 4, p. 843-845.

DESCRIPTORS: Heat of reaction, *Combustion, *Phenyl radicals, *Propanes, Thermochemistry.

The present paper reports the results of a determination of the heat of combustion of phenylcyclopropane, 1, 1-diphenylcyclopropane, and the two stereoisomeric 1, 2-diphenylcyclopropanes.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15131

I. Kozina, M. P.
II. Lukina, M. Yu.
III. Translations, New York

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Rabinovich, I. B., Tel'noti, V. I. and others.
THE THERMOCHEMISTRY OF THE REACTION OF HEXAETHYLDISTANNANE WITH BENAOYL PEROXIDE. [1962] [7]p. 14 refs.
Order from OTS or SLA $1.10 63-15129

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 138, no. 4, p. 852-855.

DESCRIPTORS: *Thermochemistry, Chemical reactions, *Benzoyl radicals, Heat, *Peroxides, *Tin compounds, Ethyl radicals, *Metalorganic compounds,

The present paper is a study of the thermochemistry of the reaction between hexaethyldistannane and benzoyl peroxide, with dibutyl phthalate employed as the solvent.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15129

I. Rabinovich, I. B.
II. Tel'noti, V. I.
III. Translations, New York

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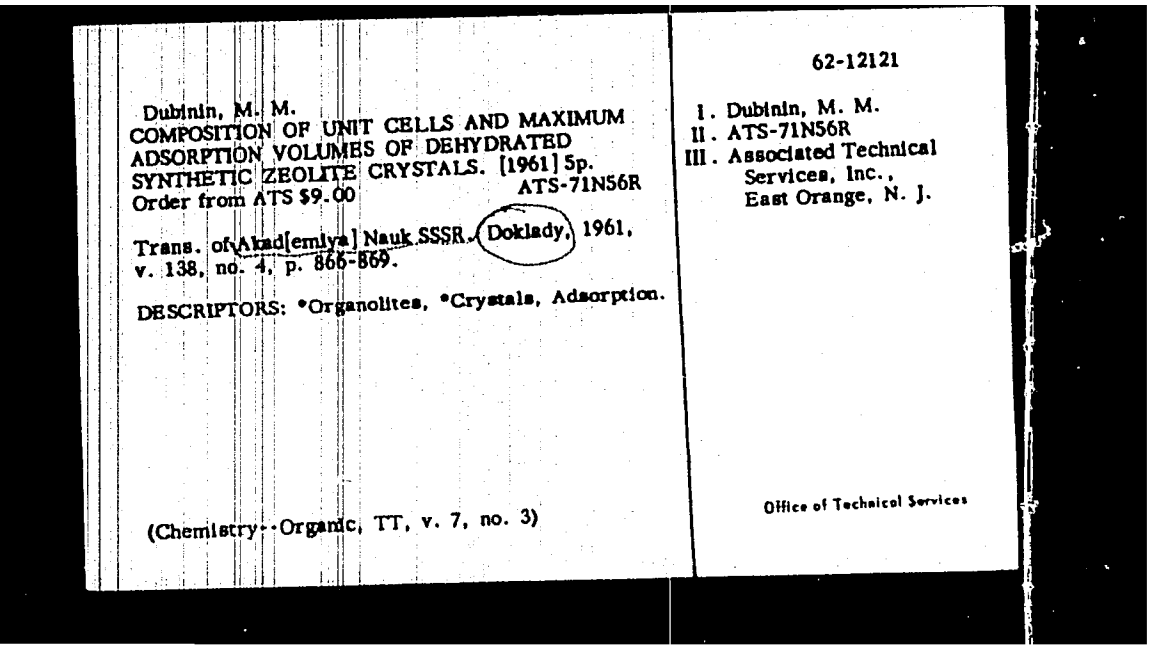

Dubinin, M. M.
COMPOSITION OF UNIT CELLS AND MAXIMUM ADSORPTION VOLUMES OF DEHYDRATED SYNTHETIC ZEOLITE CRYSTALS. [1961] 5p.
Order from ATS $9.00 ATS-71N56R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 138, no. 4, p. 866-869.

DESCRIPTORS: *Organolites, *Crystals, Adsorption.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12121

I. Dubinin, M. M.
II. ATS-71N56R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

Zhdanov, S. P. and Koromal'di, E. V.
SELECTIVE SORPTION ON POROUS GLASSES.
Jan 62, 3p. 5 refs.
Order from ICE in v. 2, no. 1, $15.00/year

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 138, no. 4, p. 870ff.

DESCRIPTORS: *Glass, *Porous filters, Adsorption, Acids, *Absorbents, *Chemical engineering.

(Chemistry--Physical, TT, v. 8, no. 10)

62-34307

I. Zhdanov, S. P.
II. Koromal'di, E. V.
III. International Chemical Engineering, New York

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Adsorption and Ion-Exchange Properties of Silica, Modified by a Radical With Acidic Functions, by I. E. Neimark, V. M. Chertov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4, 1961, pp 877-879.

CIA/FDD XX-1459
No Foreign Dissem

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Sci - Physics
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THE FORMATION OF HYDRAZINE BY THE ACTION OF
γ -RADIATION ON SOLID AND LIQUID AMMONIA,
BY YU. A. SOROKIN, S. YA. PSHEZHETSKIY,
6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXXXVIII,
NO 4, 1961, PP 880-883. 9677933

FTD-TT-62-838

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

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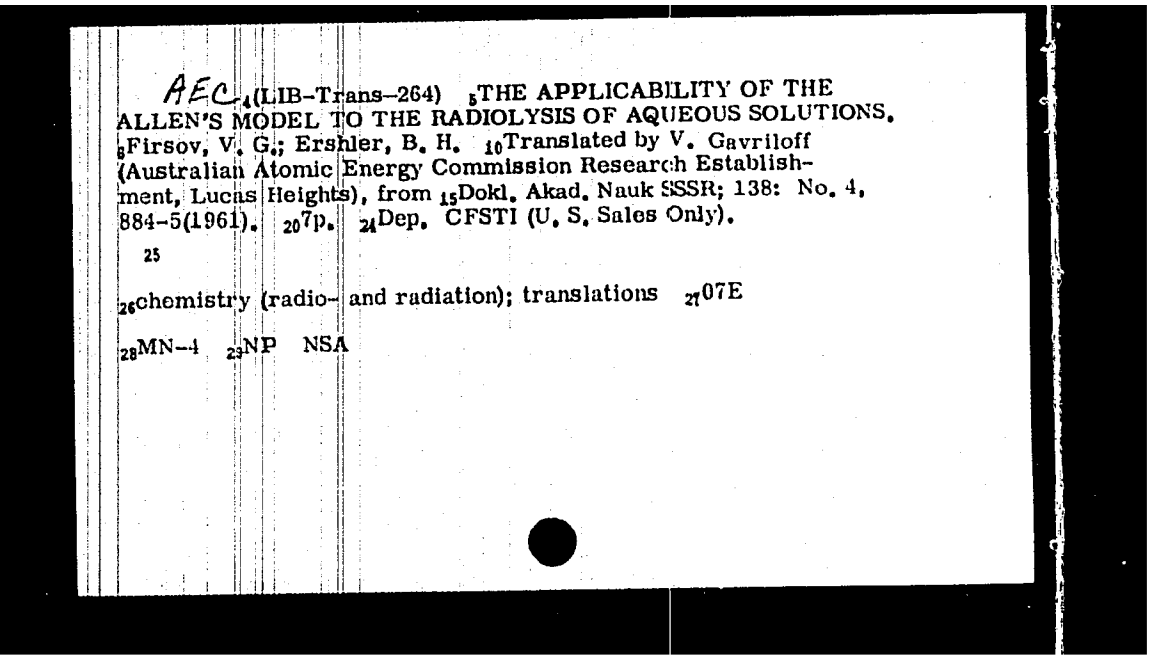

AEC (LIB-Trans-264) THE APPLICABILITY OF THE ALLEN'S MODEL TO THE RADIOLYSIS OF AQUEOUS SOLUTIONS. Firsov, V. G.; Ershler, B. H. Translated by V. Gavriloff (Australian Atomic Energy Commission Research Establishment, Lucas Heights), from Dokl. Akad. Nauk SSSR; 138: No. 4, 884-5(1961). 7p. Dep. CFSTI (U. S. Sales Only).

chemistry (radio- and radiation); translations 07E

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Phlegmatization of Explosives, by G. T. Afanas'yev, V. K. Bobolev, 3 PP.

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OTS 61-31639 72, 179

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New Data on the Last Glaciation of Kola Peninsula, by A. D. Armand, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 890-892.

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New Data on the Paleogeography of the Quaternary of Franz Josef Land in the Light of the First Results of Radiocarbon Investigations, by V. D. Dibner, 1 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII, No 4, 1962, pp 893-894.

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The Age of the Zaunguzsk Formation of Turkmeniya, by A. I. Zhivotovskaya & G. F. Shneyder, 2 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII, No 4, 1962, pp 895-896.

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The Problem of Small Intrusive Bundles
and Hydrothermal Streams in the
Pyrite-Polymetallic Fields of Rudnyy Altay,
by P. F. Ivankin, 2 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
No 4, 1962, pp 897-899.

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The Central Sikhote-Alin Fault (Displacement),
by B. A. Ivanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 900-903.

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The Baku Deposits of the Border Scarp Zone of Northwestern Ustyurt, by Yu. M. Kleyner, P. V. Fedorov, 2 pp.

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New Data on the Stratigraphy of the Schists of the Middle Course of the Malka, by I. S. Krasivskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 906-907.

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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 910-913.

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The Problem of the Age of the Lopyanetsk Subformation of the Ukraine Carpathians, by A. V. Maksimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 914-915.

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The Upper Permian-Lower Triassic Deposits of the Fore-Caucasus Platform and the Contiguous Regions, by M. F. Mirchink, N. A. Krylov, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 916-919.

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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 920-923.

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The Relation Between the Chemical Composition] of Subsurface Waters and the Composition of the Interstitial Waters by Impervious Clay Rocks, by N. P. Zatenatskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 4, 1962, pp 924-927.

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Spodumene Pegmatites of the Ukraine, by
V. G. Kushev,.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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Nature of Some Structural Changes Induced in the Adrenals by Ionizing Radiation, by B. M. Graevskaya, R. N. Shchedrina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6, 1961, pp 941-944.

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Anaphase Bridges and Acentric Fragments as Biological Parameters of Radiation Dose for Mammals, by I. M. Shapiro, I. B. Smirnova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4, 1961, pp 945.-

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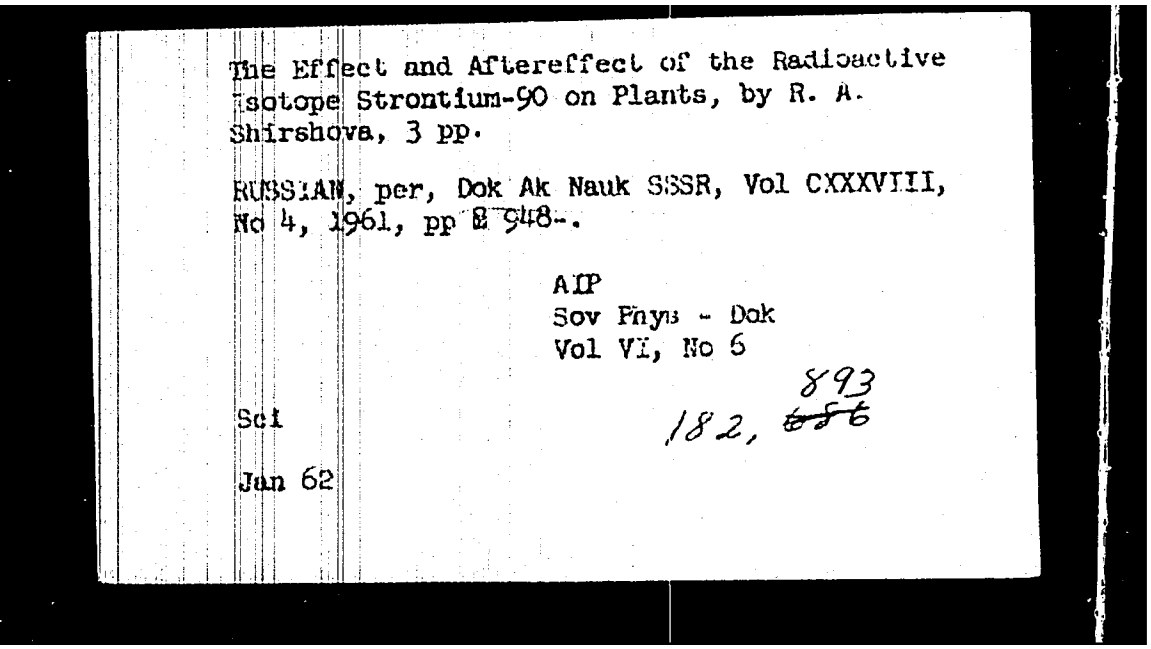

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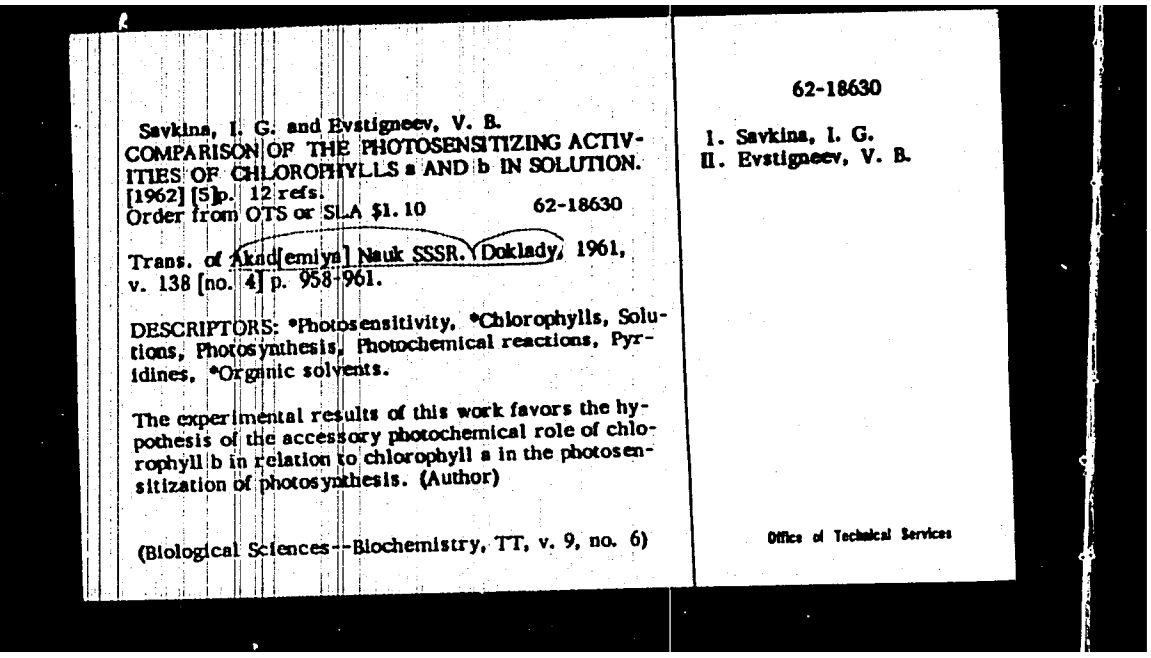

Savkina, I. G. and Evstigneev, V. B.
COMPARISON OF THE PHOTOSENSITIZING ACTIVITIES OF CHLOROPHYLLS a AND b IN SOLUTION.
[1962] [5]p. 12 refs.
Order from OTS or SLA $1.10 62-18630

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 138 [no. 4] p. 958-961.

DESCRIPTORS: *Photosensitivity, *Chlorophylls, Solutions, Photosynthesis, Photochemical reactions, Pyridines, *Organic solvents.

The experimental results of this work favors the hypothesis of the accessory photochemical role of chlorophyll b in relation to chlorophyll a in the photosensitization of photosynthesis. (Author)

(Biological Sciences--Biochemistry, TT, v. 9, no. 6)

62-18630

I. Savkina, I. G.
II. Evstigneev, V. B.

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Behaviour of Unperturbable Systems in Inertial Space, by V. A. Bodner, V. P. Seleznev, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1043-1046. 9671659

FTD-TT-61-63

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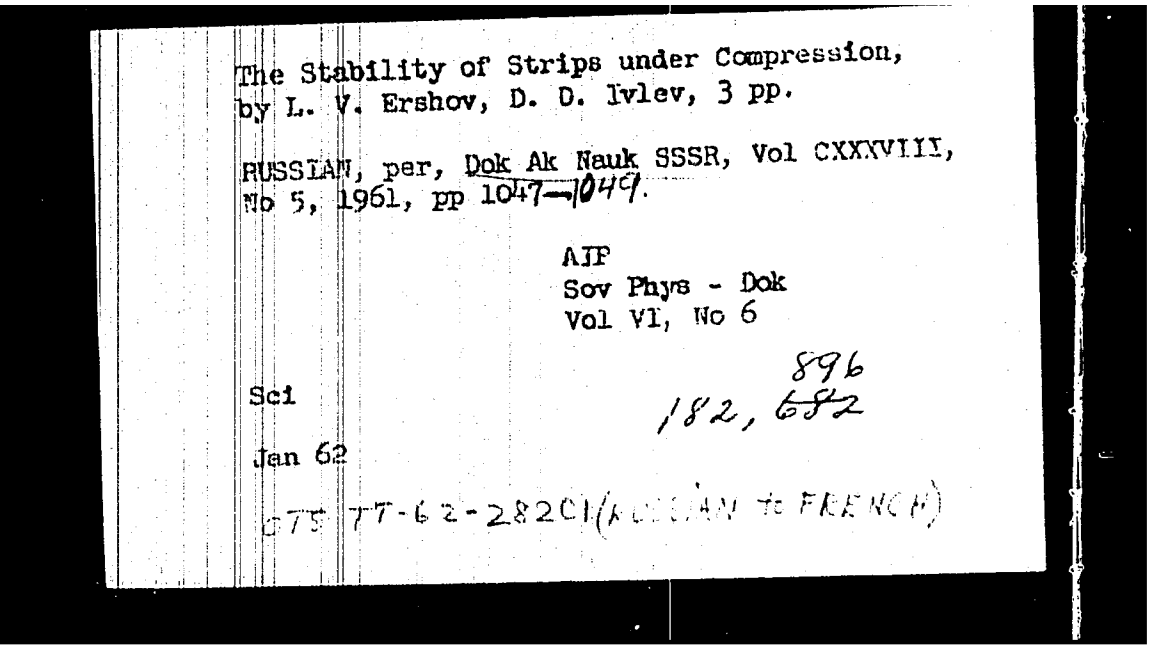

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by L. V. Ershov, D. D. Ivlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1047-1049.

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OTS 77-62-28201(RUSSIAN TO FRENCH)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

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Settling Time of a Fixed Amount of Oxygen in the Atmospheres of Planets Containing Water Vapor, by E. K. Erukhimov, Trp.

RUSSIAN, pam, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1050-1053. 9215844

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OTS 11-63-11750 NASA TT F-86

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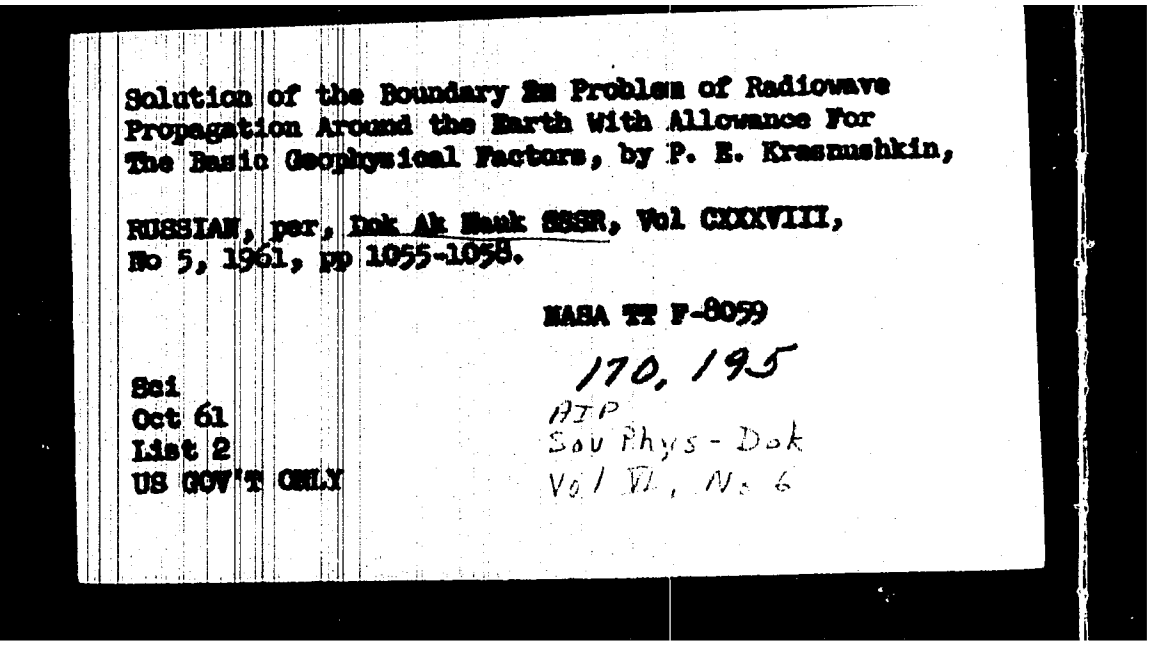

Solution of the Boundary Zm Problem of Radiowave Propagation Around the Earth With Allowance For The Basic Geophysical Factors, by P. E. Krasnushkin,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1055-1058.

NASA TT F-8059

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A Study of the Electrical Resistance of Cerium, Lanthanum, and Neodymium at Pressures up to 250,000 kg/cm^2, by L. F. Vereshchagin, A. A. Semerchan, S. V. Popova, 2 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1059-.

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Increasing the Strength of Thin Glass, by
L. A. Boguslavskiy, F. F. Vitman, V. P. Pukh,
3 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1062-1065.

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A Contactless Method of Conductivity Measurement, by V. I. Lopatnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1066-1068.

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The High-Temperature Branch of the Bachground of Internal Friction, by N. S. Pastov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1069-.

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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No 5, 1962, pp 1073-1075.

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The Integration of the Marine Current theory Equations in Multiply Connected Regions, by V. M. Kamenkovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol. CXXXVIII, No 5, 1962, pp 1076-1079.

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The Growth of Long Wind Waves on a Shallow
Sea, by A. P. Khvan, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1080-1083.

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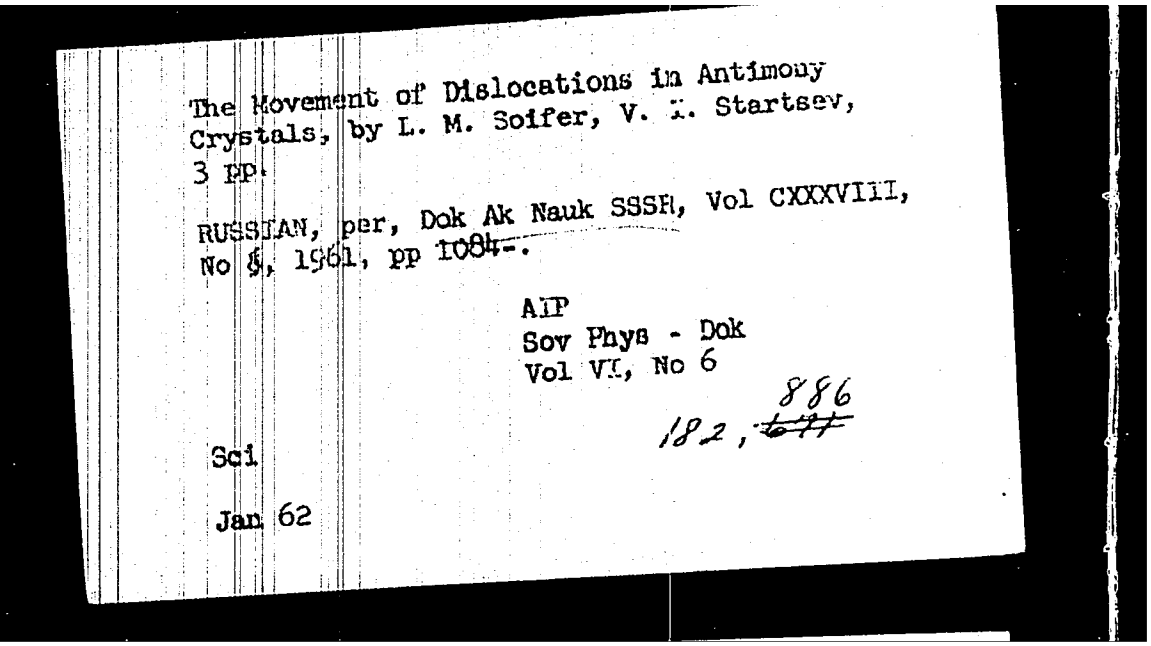

The Movement of Dislocations in Antimony Crystals, by L. M. Soifer, V. I. Startsev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6, 1961, pp 1084-.

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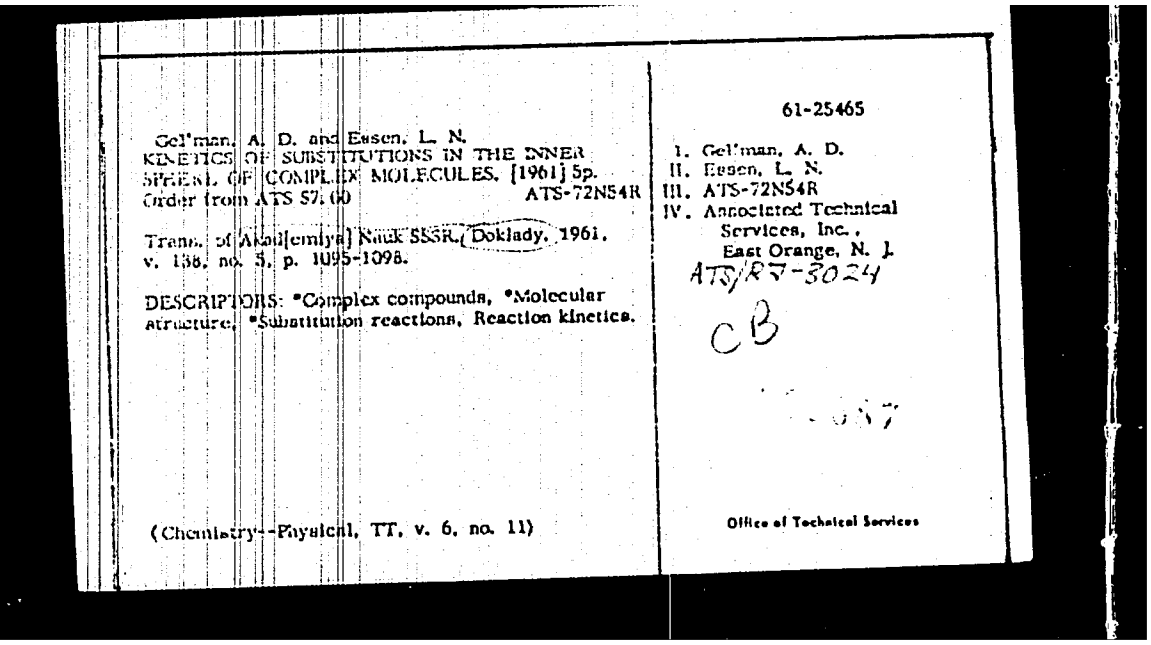

Gel'man, A. D. and Esen, L. N.
KINETICS OF SUBSTITUTIONS IN THE INNER SPHERE OF COMPLEX MOLECULES. [1961] 5p.
Order from ATS 57-60 ATS-72N54R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 138, no. 5, p. 1095-1098.

DESCRIPTORS: *Complex compounds, *Molecular structure, *Substitution reactions, Reaction kinetics.

(Chemistry--Physical, TT, v. 6, no. 11)

61-25465

I. Gel'man, A. D.
II. Esen, L. N.
III. ATS-72N54R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS/R7-3024

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Thermal Decomposition of Diphenylguanidine and Its Reaction With Sulfur at Vulcanization Temperature, by B. A. Dogadkin, N. N. Pavlov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1113-1114.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

Synthesis and Geometric Configuration of Diethyl Esters of Dodeca-2,4,6,8-10-pentaene-1,12-dioic and Hexadeca-2,4,6,8,10,12,14-heptaene-1,16-dioic Acids, by V. F. Kucherov, B. G. Kovalev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1115-1117

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201120049-9

Razuvaev, G. A., Latyaeva, V. N., and Vyshinskaya, L. I.

REACTIONS OF BENZOYL PEROXIDE WITH TITANOCENE DERIVATIVES [Reaktsii Perekisi Benzoila s Proizvodnymn Titanotsena]. 29 Sep 61 [7]p. 3 refs. Order from OTS or SLA $1.10 62-14628

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 138 [no. 5, p. 1126-1129].

DESCRIPTORS: *Benzoyl radicals, *Peroxides, Metal-organic compounds, *Titanium compounds, *Cyclopentadiene, Pentadienes, Chemical reactions, Benzoates, Benzenes, Propanols, Alcohols.

No breakdown of the titanocene group took place in the reaction of benzoyl peroxide with Cp_2Ti in the cold in benzene or isopropanol solution. There was an instantaneous change in the color of the solution from dark green to bright yellow; no CO_2 was evolved in the (Chemistry--Organic, TT, v. 8, no. 6) (over)

62-14628

I. Razuvaev, G. A.
II. Latyaeva, V. N.
III. Vyshinskaya, L. I.

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Polycondensation at an Interphase, by A. P Terent'yev, I G Mochalina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1130-1131

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Catalytic Dehydrogenation of Dihydrofurans, by N I. Shuikin, I. F. Bel'skiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1136-1138.

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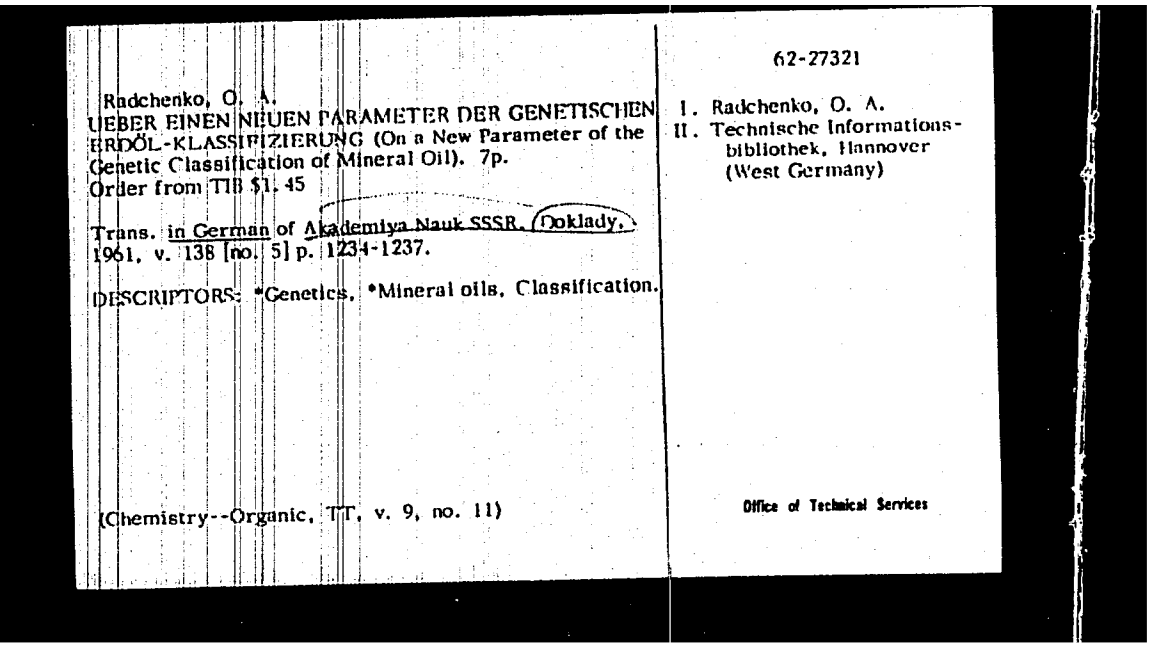

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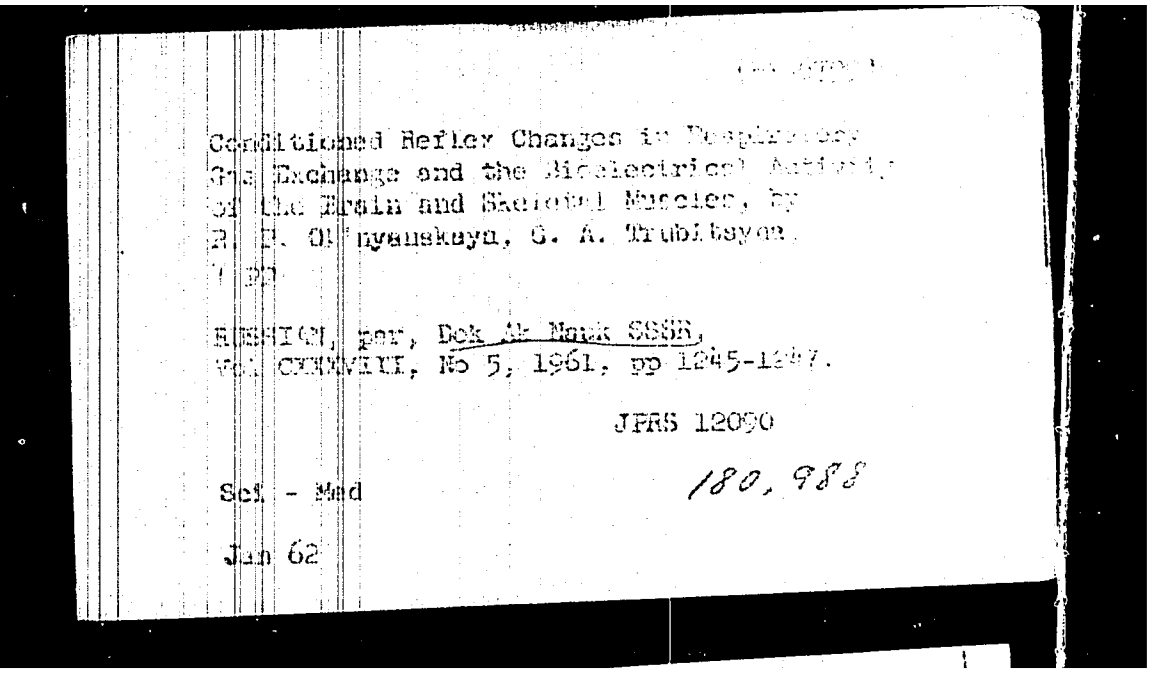

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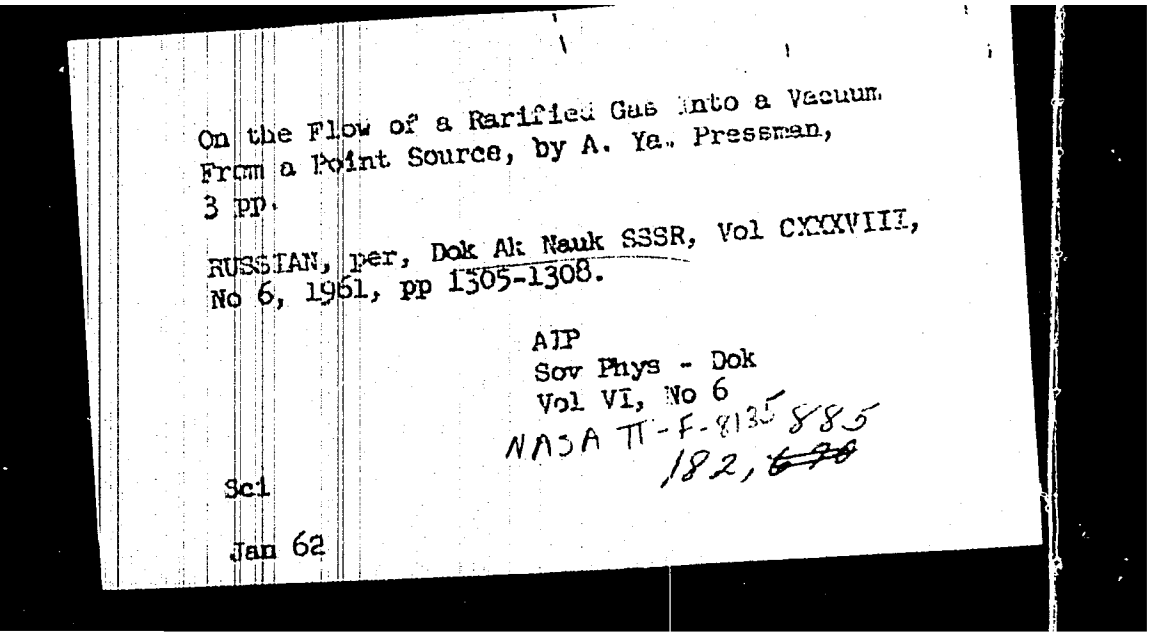

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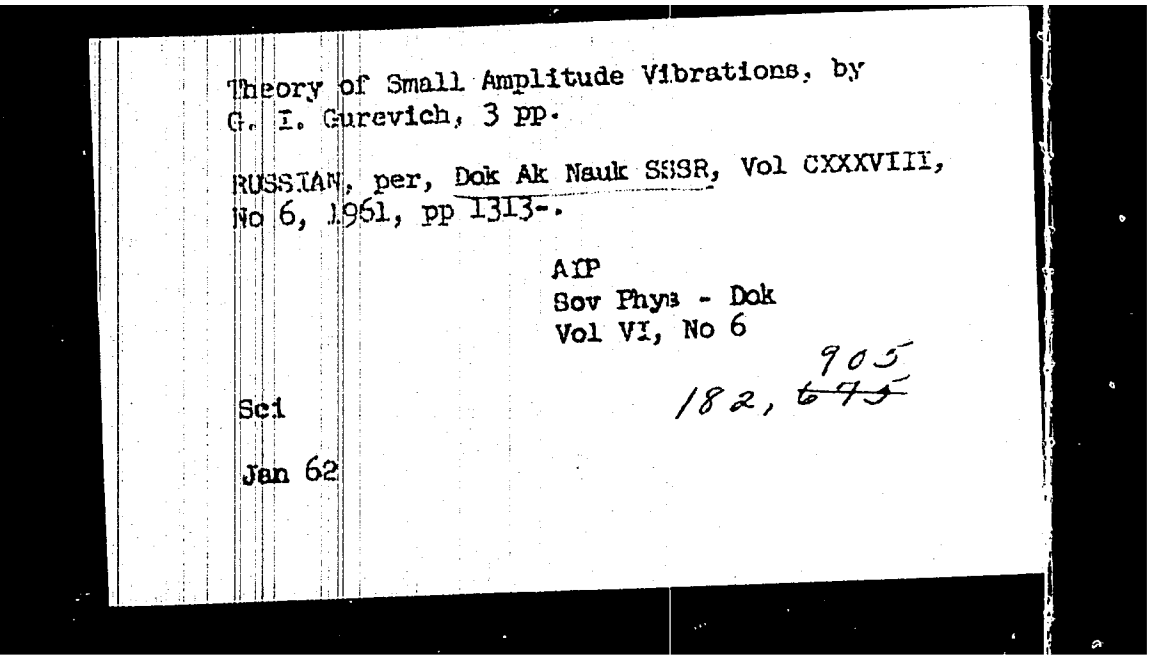

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